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## INFORMATION REPORT

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## CENTRAL INTELLIGENCE AGENCY

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COUNTRY East Germany

REPORT

SUBJECT Academy Institute of Medicine and  
Biology, Berlin-Buch: Description  
of Buildings and Physical Locations  
of Departments,

DATE DISTR.

April 1959

NO. PAGES

8

REFERENCES

DATE OF  
INFO.  
PLACE &  
DATE ACQ.

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SOURCE EVALUATIONS ARE DEFINITIVE. APPRAISAL OF CONTENT IS TENTATIVE.

1. The main building of the Buch Institute of Medicine and Biology houses the following departments:

1st floor Chemical Cancer Research  
2nd floor Department of Pharmacology  
3rd floor Department of Physical Chemistry  
4th floor Department of Biological Cancer Research  
5th floor Various departments  
6th floor Brain Research Department  
(tower)

The above departments form the nucleus of the Buch Institute. The main building is accordingly called "the institute proper".<sup>1</sup> It is a 5-story building with a 6-story tower, a 2-story annex containing lecture halls and laboratories and single-story annexes. Prior to 1945, Prof. Timofeyev occupied the 7th floor of the tower. The actual institute has been set up around the "institute proper" in the years after 1945, central heating was provided from the former mental hospital.

2. Prof. Gummolt's clinic was housed in a 4-story building with a wing 120 to 130 meters long and 14 to 16 meters wide. A 3-story radiology department 40 meters long and 14 to 16 meters wide was planned to be added. No details were available on the planned further extension of the institute including a nurses home.

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STATE	X	ARMY	XX	NAVY	XX	AIR	XX	FBI		AEC	X
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(NOTE: HEADQUARTERS DISTRIBUTION INDICATED BY "X"; FIELD DISTRIBUTION BY "XX")

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3. The Department of Applied Isotope Research was jointly housed with Dr. Friedrich's Physics Department in the so-called Neutron House, a 3-story structure with basement and attic.<sup>2</sup> The brickwork of this building was drawn up as early as 1955, final completion achieved in the following years. The laboratory of the Isotope Department contained the standard chemical equipment with additional instruments furnished by the Ilmenau firm of Geyer, including lead shielding, tongs and pliers, plexiglass shielding, and small manipulators.

4. Best equipped of all was the Biochemical Department containing, among others, a Soviet spectrophotometer and a Soviet cooling chest. The other instruments were of standard design, including counter tubes.

The Institute's most spectacular devices were two electronic microscopes installed at the Pharmacological Department (one Siemens design, the other manufactured by an undetermined, probably Soviet, firm), and two ultracentrifuges installed at the Department of Physical Chemistry

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The Physics Department was equipped with excellent apparatus for quantitative spectral analysis. Their origin could not be determined. The evaluation device was made by the VEB Carl Zeiss Jena. The supersonic device did not work satisfactorily. The Institute projected construction of a device designed to verify the roentgen unit, and a magnetic scales was under construction in cooperation with Prof. Jung.

5. A new dump was built to dispose of radioactive waste material. The receptacle containing radioactive waste was suspended on the inner side of the door and automatically dumped after closing the door.
6. No special shielding was required at the Isotope Department since only material of below 100 mc was handled.
7. A hot laboratory was to be built for the production of larger bodies of radioactive substances. One section of this laboratory was slated for work on radium processing, the other for work on artificial radioactivity. The brickwork for this building was completed in October 1957. The laboratory was allegedly to serve the Isotope Department. Its equipment was mainly to be furnished by the Ilmenau firm of Geyer and by the Leipzig VEB Projektchemie. Both these firms work with contractors. The names of the latter could not be determined, nor any details on the instruments to be furnished. VEB Projektchemie was in charge of the execution of all projects.

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The GDR was keen on purchasing some 40 master/slave manipulators but the deliveries were stymied by embargo regulations.

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1. Scale drawing of the layout of the Institute of Medicine and Biology, Berlin-Buch, showing the relative positions of the various buildings.
2. (Annex 2a). Layout of the Isotope Department of the Institute: basement of the Neutron House (Neutronenhaus).
3. (Annex 2b). Layout of the Isotope Department of the Institute: ground floor of the Neutron House.
4. (Annex 2c). Layout of the Isotope Department of the Institute: second floor (1. Stock) of the Neutron House.
5. (Annex 2d). Layout of the Isotope Department of the Institute: third floor (2. Stock) of the Neutron House.
6. (Annex 3). Isotope Department of the Institute: waste dump for active materials.
7. (Annex 4). Hot laboratory of the Isotope Department of the Institute.

Legends to Attachments 1, 2a, 2b, 2c, and 2d are enclosed herewith as pages 4, 5, 6, 7, and 8.

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Annex

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LegendLayout of the Buch Institute of Medicine and Biology

- 1 - Porter's lodge
- 2 - Telephone switchboard
- 3 - The Institute proper
  - a. Lecture hall
  - b. Laboratories
  - c. Storage room, entrance, garage
  - d. Warm house
  - e. Tower (formerly housing Timofeyev's office)
- 4 - Storage room for chemicals
- 5 - Clinic
  - a. Planned radiology department
  - b. Operating theater
  - c. Wards
  - d. Administration
- 6 - Prof. Friedrich's home
- 7 - Garages
- 8 - Living quarters of Institute staff members
- 9 - Round flower bed
- 10 - Building housing Physics Department and Isotope Department
- 10a- High-voltage plant
- 11 - Hot laboratory (brickwork completed)
- 12 - Radioactive waste dump
- 13 - Living quarters for Institute employees
- 14 - House of municipal tree nursery
- 15 - Transformer station
- 16 - Hospital, formerly mental hospital
- 17 - House of cobalt source

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Annex 2a

- 2 -

LegendLayout of Isotope Department of the Buch Institute  
of Medicine and BiologyBasement of Neutron HouseI. Wing A

- 1 - Reserved for animal cages
- 2 - Dr. Spode's laboratory, Biochemical Section of Isotope Department
- 3 - Combustion furnaces of Isotope Department
- 4 - Electronics Section of Isotope Department
- 5 to 9 - Jigs and fixtures room of the high-voltage plant of Prof. Friedrich's Physics Department
- 11 - Cooling facilities of Isotope Department
- 12 - Combustion chamber of Isotope Department
- 13 - Mechanical workshops of Isotope Department
- 14 - Glass storage room of Isotope Department
- 15a- Acid storage room of Isotope Department
- 15 to 16 - Laboratories of the Biochemical Section of Isotope Department

II. Wing B

Section I includes large workshops of the Physics Department.

Section II includes precision mechanics and electrical workshops of the Physics Department, showers, toilets, night offices for guards and administration personnel. No detailed information available.

III. Basement underneath high-voltage plant

The section adjoining Wing B contained botanical installations.

The section adjoining Wing A was scheduled to contain rooms for Dr. Lohmann for high-voltage radiology treatment of patients. At the time under observation, these rooms were occupied by construction workers.

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Annex 2 b

- 2 -

LegendLayout of Isotope Department of the Buch Institute  
of Medicine and BiologyGround Floor Neutron HouseI. Wing A

- 1 - Ladies rest room
  - 2 - Gentlemen rest room
  - 3 - Offices of Prof. Graffis' coworkers
  - 4 - Offices of Prof. Graffis' coworkers
  - 4a - Offices of Prof. Graffis' coworkers
- (Rooms 3 to 4 a, formerly occupied by Prof. Möglich, were incompletely installed).
- 5 - Chemical laboratory of Isotope Department
  - 6 - Secretariat of Isotope Department
  - 7 - Secretariat of Isotope Dept.
  - 8 - Prof. Born's office
  - 9 - Library of Isotope Dept.
  - 10 - Dark room
  - 11 - Measuring room of Isotope Dept.
  - 12 - Planned laboratory
  - 13 - Planned biochemical laboratory for Dr. Spode of the Isotope Dept.
  - 14 - Dr. Spode's office
  - 15 - Toilet
  - 16 - Glass blowing shop of Isotope Dept.
  - P - Porter's lodge

(Laboratories 5 to 8 had tile walls, Nos 11, 12, and 13 were without wall tiling).

II. Wing B

Wing B accommodated laboratories of Prof. Friedrich's Physics Dept.

- K - Kitchen
- D.K. - Dark room
- S - Spectroscopy room
- D - Dosimetry room

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Annex 2 c

- 2 -

LegendLayout of Isotope Department of the Buch Institute  
of Medicine and BiologyNeutron House - 1st FloorI. Wing A

- 1 - Physical laboratory of Isotope Dept.
- 2 - Physical laboratory of Isotope Dept.
- 3 to 5 - Chemical laboratories of Isotope Dept.
- 6 - Office of Isotope Dept.
- 7 to 8 - Chemical laboratories of Isotope Dept.
- 9 - Dark room of Isotope Dept.
- 10 to 11 - Chemical laboratories of Isotope Dept.
- 12 - Weighing and measuring room of Isotope Dept.
- 13 - Laundry
- 14 - Toilet
- 15 - Physical laboratory of Isotope Dept.
- 16 - Dr. Spode's office

II. Wing B

Rooms for Prof. Friedrich of the Physics Dept.

- 17 - Secretariat Prof. Friedrich
- 18 - Prof. Friedrich's office
- 19 - Meeting room
- 20 to 22 and opposite rooms - physics laboratories of  
Physics Department

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Annex 2 d

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- 2 -

LegendLayout of Isotope Department of the Buch Institute  
of Medicine and BiologyNeutron House - 2nd FloorI. Wing A

- 1 to 2 - Biochemical Laboratories of Isotope Department
- 3 to 5 - Chemical laboratories of Isotope Department
- 6 - Office
- 7 to 8 - Chemical laboratories of Isotope Department
- 9 - Dark room and storage of isotope, decontamination facilities
- 10 to 11 - Measuring facilities of Isotope Department
- 14 to 15 - Rooms of the Biochemical Section of Isotope Department

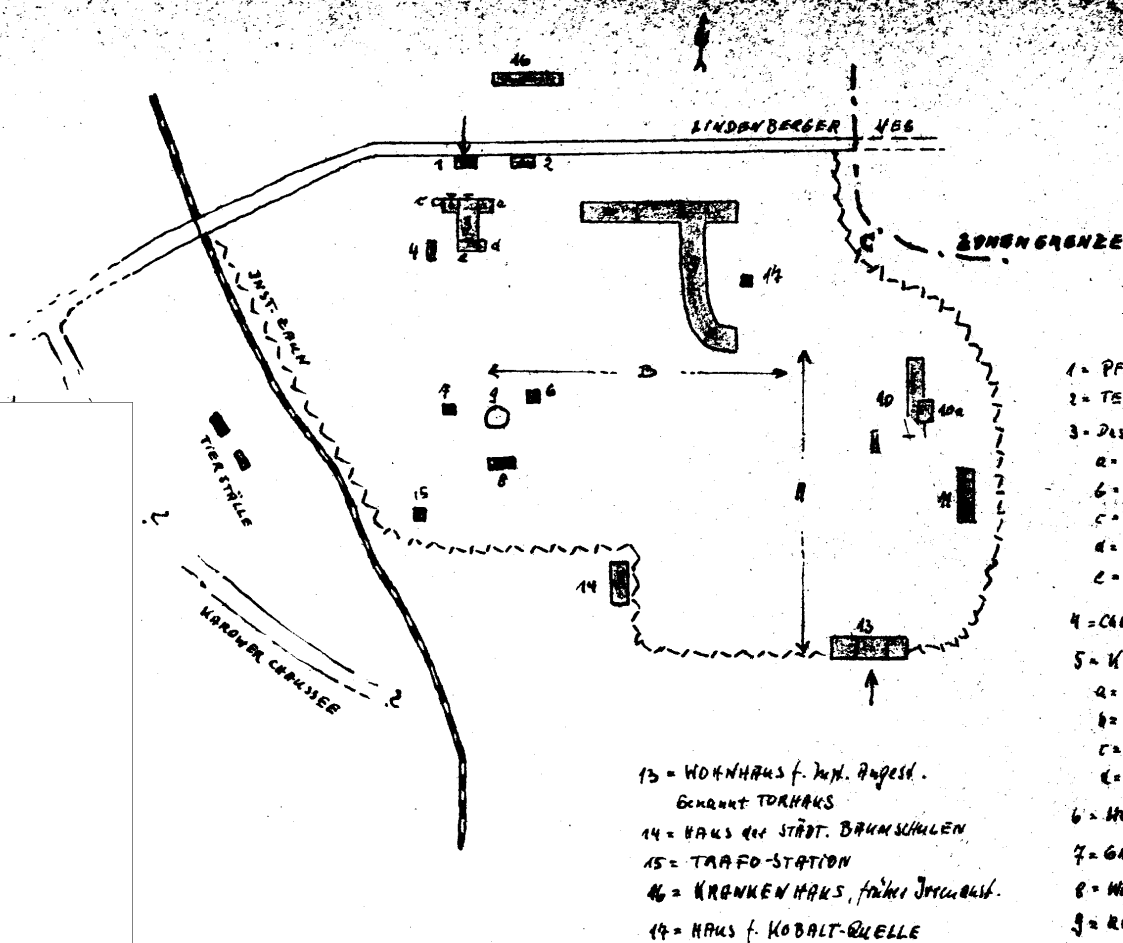
II. Wing B

- 16 to 17 - Photographic laboratories of Physics Department
- 18 - Storekeeper of Physics Department
- 19 to 21 - Physical laboratories of Physics Department
- 22 - Office
- 23 - Tissue cultivation laboratories.

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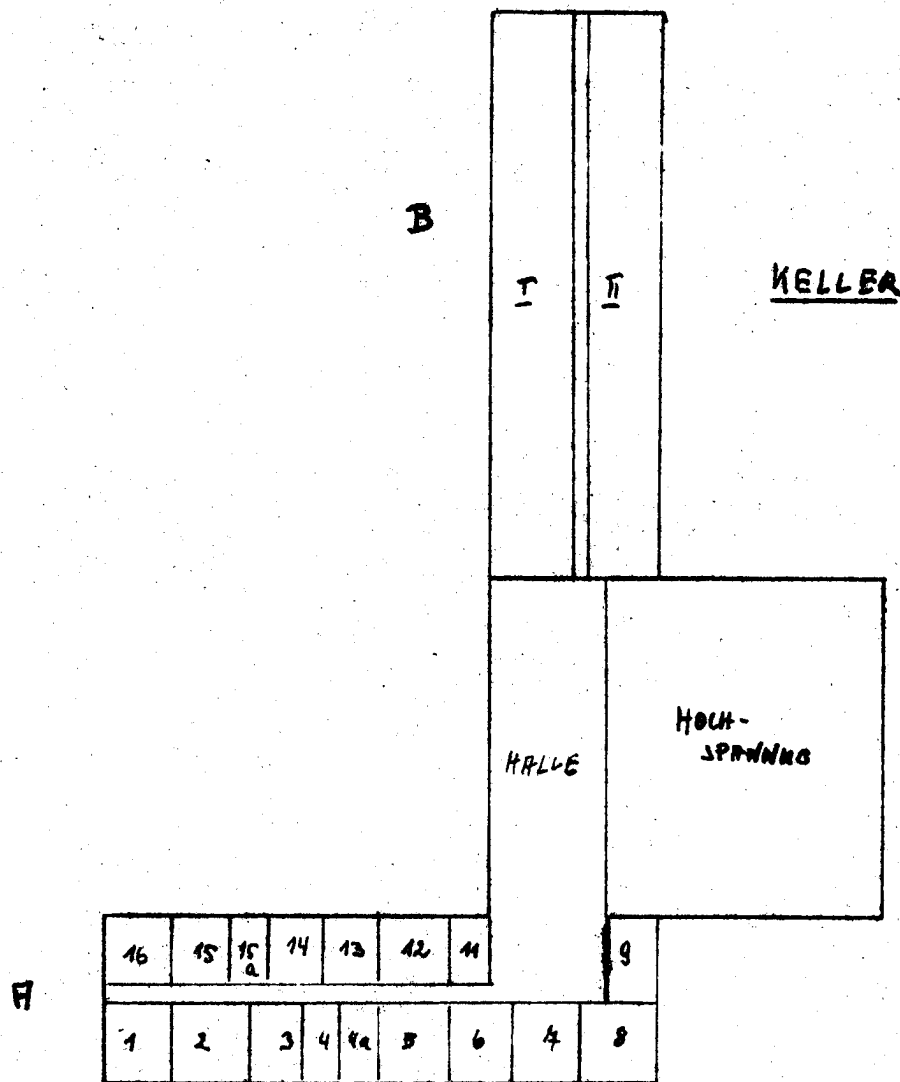
ERKLÄRUNG:

1. PFÖRTNER
2. TELE-ZENTRALE
3. DAS EIGENTLICHE INSTITUT BERLIN
  - a. HOFGARTEN
  - b. LABORS
  - c. Lager, Prothetik, Garage
  - d. Treibhaus
  - e. Turm, hier arbeitet früher TIMOFEEV
4. KEMIKALIENLAGER des ges. Instituts
5. KLINIK
  - a. RÖNTGENSTATION - Röntgen -
  - b. OPERATIONSRAUM
  - c. KRONEN ZIMMER
  - d. WIRTSCHAFTS FLÜGEL
6. WOHNHaus Prof. Dr. FRIEDRICH
7. GARAGEN
8. WOHNHaus f. Mil. Angehörige
9. RONDELL
10. INSTITUTS GEBÄUDE f. ARBEITSBEREICH  
PHYSIK u.  
angew. ISOTOPENFORSCHUNG
11. WEISSES LABOR - KARBON f. phys.
12. ABFALLGRUBE f. STAHLER

Maßstab: A: etwa 200 m  
B: " 200 m  
C: " 100 m

x) SIEHE GEGENÜBER ANLAGE

Anlage 2a



Gebäudemasse:

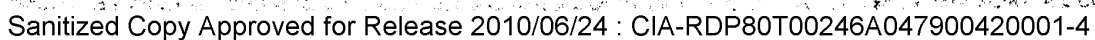
Flügel A: etwa 50 m lang  
etwa 12-14 m breit

Flügel B: etwa 80 m lang  
etwa 12-14 m breit

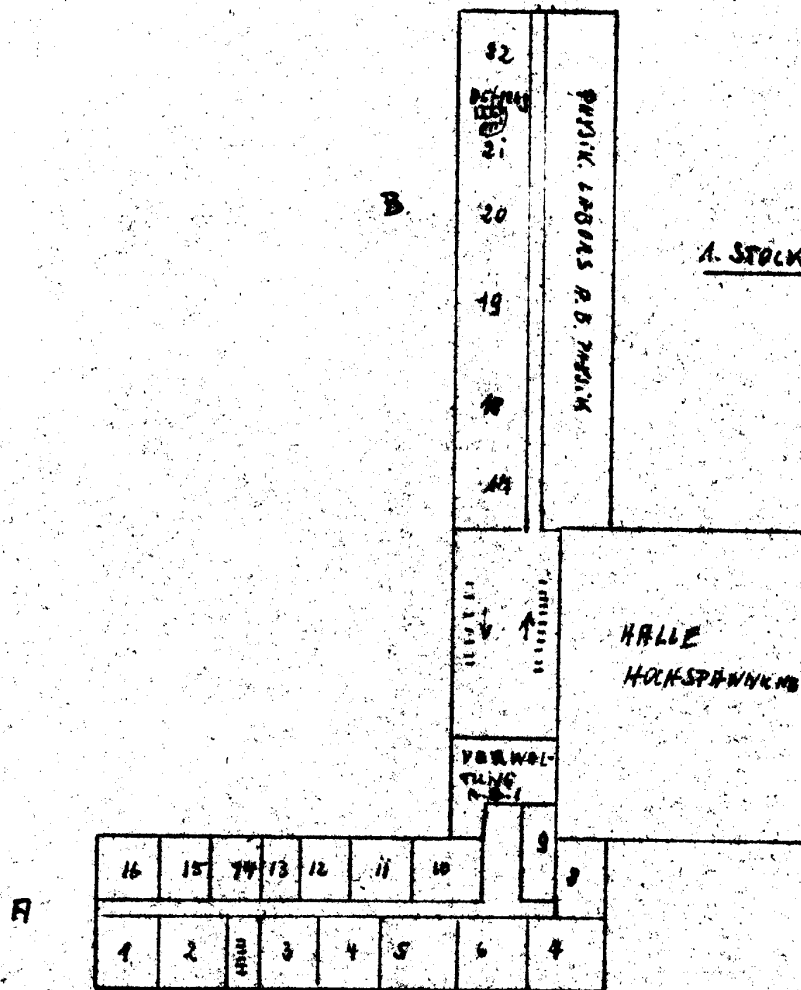
Halle Hochspannung:  
unter Kellern  
etwa 20 m breit

Zusatz:

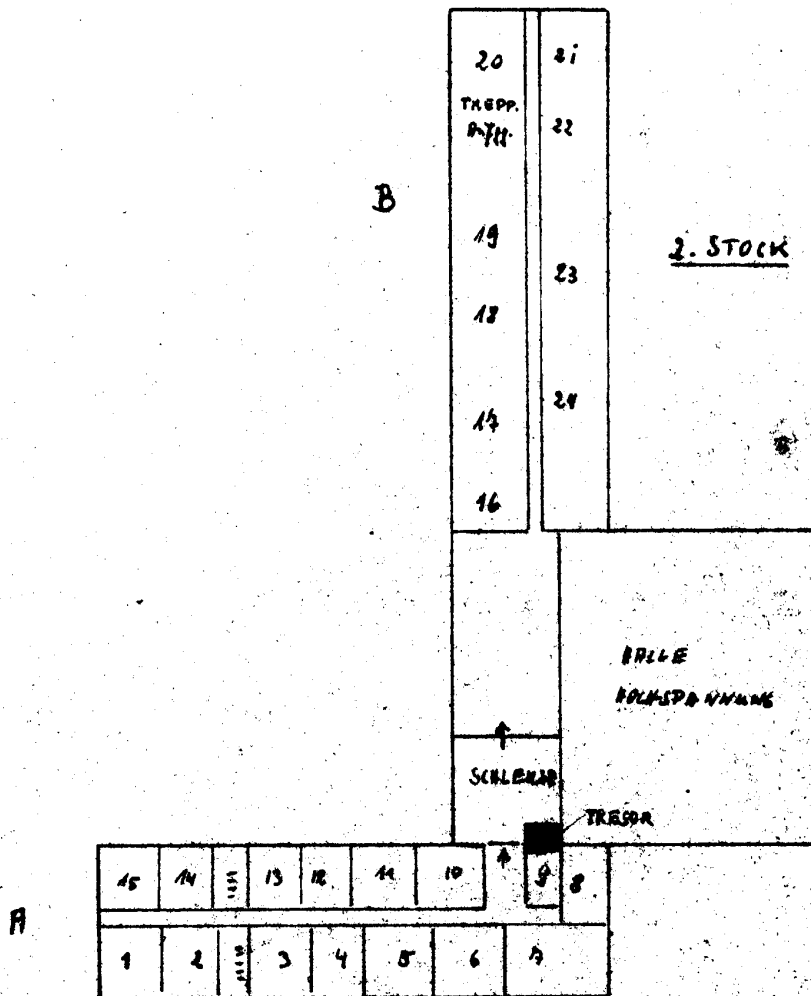
10 - nicht benutzt!



Anlage 20

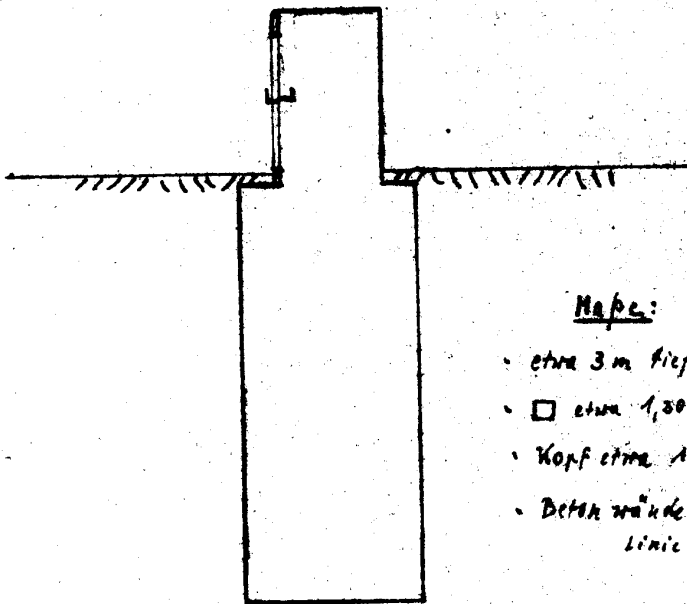


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Anlage 3

Institut f. Medizin u. Biologie, Buch  
Arbeitsbereich f. ages. Isotopenforschung  
Lager u. Grundrisskizzen, Ausstattung  
Abfallgrube für aktive Stoffe



Maße:

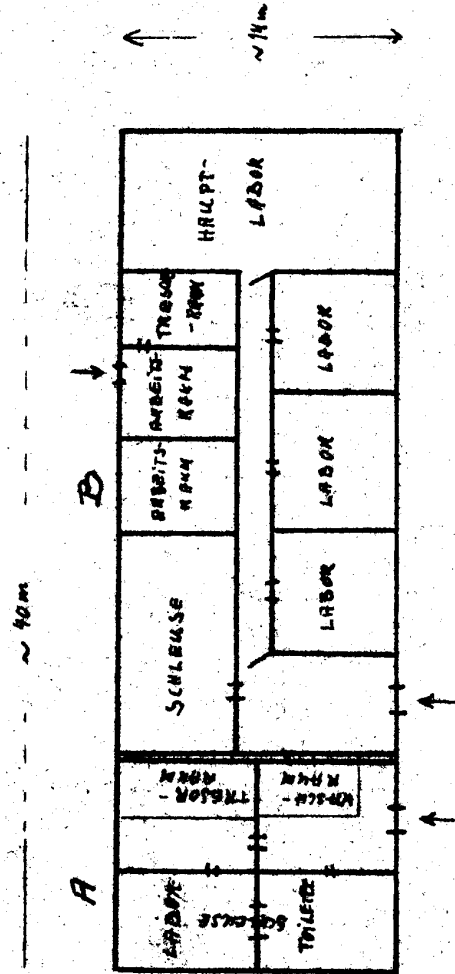
- etwa 3 m tief in der Erde
- □ etwa 1,80 x 1,20 m
- Kopf etwa 1 m oberhalb der Erde
- Betonwände, normal dick, sollen in erster Linie Wasser abhalten.

Anlage 4

Institut f. Medizin u. Biologie, Buch  
Arbeitsbereich f. umgewandelte Leuchtstoffforschung  
Lage- u. Grundrisskizzen, Ausstattung

Heisses Labor

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